

Refine Search

Search Results -

Term	Documents
SEMINAL	6298
SEMINALS	5
PLASMA	444908
PLASMAS	11002
PROTEINS	248400
PROTEIN	385944
(8 AND (SEMINAL ADJ PLASMA ADJ PROTEINS)).PGPB,USPT,USOC,EPAB,JPAB,DWPI.	0
(L8 AND SEMINAL PLASMA PROTEINS).PGPB,USPT,USOC,EPAB,JPAB,DWPI.	0

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L10

Refine Search

Recall Text

Clear

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Search History

DATE: Wednesday, May 04, 2005 [Printable Copy](#) [Create Case](#)

Set Name **Query**

side by side

Hit Count **Set Name**

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ

<u>L10</u>	L8 and seminal plasma proteins	0	<u>L10</u>
<u>L9</u>	L8 and sperm acrosomal membrane associated protein	0	<u>L9</u>
<u>L8</u>	isoantigenic	22	<u>L8</u>
<u>L7</u>	L6	13	<u>L7</u>
<u>L6</u>	L5 and antigen	13	<u>L6</u>

L5 L4 and @py<2000
L4 seminal plasma proteins
L3 sperm acrosome associated protein
L2 SPACA1
L1 Wo 00/12708

17 L5
68 L4
0 L3
1 L2
10 L1

END OF SEARCH HISTORY

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
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NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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=> fule caplus
FULE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s isoantigenic
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
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command can only be used to look at the index in a file which has an
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commands which can be used in this file.

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FULL ESTIMATED COST	0.21	0.21

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FILE LAST UPDATED: 3 May 2005 (20050503/ED)

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s isoantigenic
L1 42 ISOANTIGENIC

=> sperm acrosomal membrane associated protein
SPERM IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s sperm acrosomal membrane associated protein
42178 SPERM
888 SPERMS
42363 SPERM
(SPERM OR SPERMS)
1845 ACROSOMAL
660210 MEMBRANE
295320 MEMBRANES
742711 MEMBRANE
(MEMBRANE OR MEMBRANES)
110556 ASSOCIATED
888880 ASSOCD

2 ASSOCDS
 888881 ASSOCD
 (ASSOCD OR ASSOCDS)
 924203 ASSOCIATED
 (ASSOCIATED OR ASSOCD)
 1739123 PROTEIN
 1207800 PROTEINS
 2019719 PROTEIN
 (PROTEIN OR PROTEINS)
 L2 1 SPERM ACROSOMAL MEMBRANE ASSOCIATED PROTEIN
 (SPERM(W) ACROSOMAL(W) MEMBRANE(W) ASSOCIATED(W) PROTEIN)

=> d L2

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:183183 CAPLUS
 DN 136:367041
 TI SAMP32, a testis-specific, isoantigenic sperm acrosomal
 membrane-associated protein
 AU Hao, Zhonglin; Wolkowicz, Michael J.; Shetty, Jagathpala; Klotz, Kenneth;
 Bolling, Laura; Sen, Buer; Westbrook, V. Anne; Coonrod, Scott; Flickinger,
 Charles J.; Herr, John C.
 CS Department of Cell Biology, Center for Research in Contraceptive and
 Reproductive Health, University of Virginia, Charlottesville, VA, 22908,
 USA
 SO Biology of Reproduction (2002), 66(3), 735-744
 CODEN: BIREBV; ISSN: 0006-3363
 PB Society for the Study of Reproduction
 DT Journal
 LA English
 RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 08:18:36 ON 04 MAY 2005)

FILE 'CAPLUS' ENTERED AT 08:19:07 ON 04 MAY 2005

L1 42 S ISOANTIGENIC
 L2 1 S SPERM ACROSOMAL MEMBRANE ASSOCIATED PROTEIN

=> s seminal plasma proteins

14279 SEMINAL
 10 SEMINALS
 14283 SEMINAL
 (SEMINAL OR SEMINALS)
 800534 PLASMA
 72750 PLASMAS
 807862 PLASMA
 (PLASMA OR PLASMAS)
 1207800 PROTEINS
 4 PROTEINSES
 1207804 PROTEINS
 (PROTEINS OR PROTEINSES)
 L3 176 SEMINAL PLASMA PROTEINS
 (SEMINAL(W) PLASMA(W) PROTEINS)

=> s L3 and L1

L4 0 L3 AND L1

=> s L1 and sperm

42178 SPERM
 888 SPERMS

42363 SPERM

(SPERM OR SPERMS)

L5 3 L1 AND SPERM

=> d L5 1-3 ibib,abs

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:183183 CAPLUS

DOCUMENT NUMBER: 136:367041

TITLE: SAMP32, a testis-specific, **isoantigenic**

sperm acrosomal membrane-associated protein

AUTHOR(S): Hao, Zhonglin; Wolkowicz, Michael J.; Shetty, Jagathpala; Klotz, Kenneth; Bolling, Laura; Sen, Buer; Westbrook, V. Anne; Coonrod, Scott; Flickinger, Charles J.; Herr, John C.

CORPORATE SOURCE: Department of Cell Biology, Center for Research in Contraceptive and Reproductive Health, University of Virginia, Charlottesville, VA, 22908, USA

SOURCE: Biology of Reproduction (2002), 66(3), 735-744

CODEN: BIREBV; ISSN: 0006-3363

PUBLISHER: Society for the Study of Reproduction

DOCUMENT TYPE: Journal

LANGUAGE: English

AB To identify novel human **sperm** membrane antigens, we analyzed two-dimensional gels of **sperm** exts. containing hydrophobic proteins that partitioned into Triton X-114. Four protein spots with isoelec. points (pIs) ranging from 4.5 to 5.5 and apparent mol. wts. from 32 to 34 kDa were sequenced by mass spectrometry and found to contain common peptide sequences. Cloning the corresponding cDNA revealed that these protein spots were products of a single gene (SAMP32), encoding a protein of 32 kDa with a predicted pI of 4.57. SAMP32 has a potential transmembrane domain in the carboxyl terminus and is phosphorylated in vivo on serine 256. Northern blotting of eight human tissues and RNA dot blotting of 76 human tissues showed that SAMP32 expression was testis specific. SAMP32 contained an amino terminal domain homologous to the major malarial circumsporozoite surface protein and a domain similar to that of Krp1 from *Schizosaccharomyces pombe* in its carboxyl terminus. The SAMP32 locus consists of seven exons on chromosome 6q15-16.2. Antiserum against recombinant SAMP32 recognized protein spots originally cored from a two-dimensional gel. This antiserum strongly stained the equatorial segment and faintly stained the acrosome cap of ejaculated human spermatozoa by immunofluorescence. Immunoelectron microscopy showed that SAMP32 was associated with the inner acrosomal membrane in the principal and the equatorial segments of the **sperm** acrosome. By immunostaining enzyme-dissociated testicular cells, SAMP32 was localized to Golgi phase round spermatids and subsequent stages of acrosome biogenesis. Recombinant SAMP32 reacted with serum from an infertile man, suggesting that it is **isoantigenic**. Antibodies against recombinant SAMP32 inhibited both the binding and the fusion of human **sperm** to zona-free hamster eggs.

REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1976:557795 CAPLUS

DOCUMENT NUMBER: 85:157795

TITLE: Immunochemical studies on some spermatozoal antigens

AUTHOR(S): Torn'ov, A.; Pavlova, S.

CORPORATE SOURCE: Inst. Biol. Pathol. Reprod. Non-Infect. Dis., Sofia, Bulg.

SOURCE: Doklady Bolgarskoi Akademii Nauk (1976), 29(5), 719-22

CODEN: DBANAD; ISSN: 0366-8681

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Bovine **sperm** isoantigenic peptidases were released on incubation in preovulatory follicular fluid. Ejaculated bull **sperm** were incubated in fluid of preovulatory follicles from cows for 4 hr at 39° and the supernatant from 900 g was examined with heifer isoanti-bull **sperm** antiserum and trypsin substrates. Polyacrylamide gel electrophoresis (disc and immunodiffusion) and histochem. staining with a benzoyl-arginine naphthylamide showed that one isoantigen of **sperm** had trypsin-like activity. Incubation did not alter **sperm** motility. Thus, trypsin-active isoantigens are released by live bull **sperm** acrosome and may therefore play a role in fertilization.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1974:46226 CAPLUS

DOCUMENT NUMBER: 80:46226

TITLE: Role of specific **sperm** antigens in fertilization

AUTHOR(S): Metz, Charles B.

CORPORATE SOURCE: Inst. Mol. Cellul. Evol., Univ. Miami, Coral Gables, FL, USA

SOURCE: Federation Proceedings (1973), 32(10), 2057-64
CODEN: FEPR7; ISSN: 0014-9446

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Rabbit **sperms** pretreated with univalent antisperm fragments (Fab) failed to produce conception. In intravaginal artificial insemination, the **sperm** did not pass through the cervix. Neither did intrauterine or intratubal insemination result in conception. Fab treatment prevented **sperm** passage through the cervix and from the uterus into the Fallopian tubes. It also prevented **sperm** -uterine leukocyte attachment. Attachment of **sperm** to the corona radiata was blocked by antisperm antibody, but the enzymic activity and reproductive function of **sperm** hyaluronidase were inhibited by Fab. Antibody inhibition of hyaluronidase is species- and tissue-specific, indicating that **sperm** hyaluronidase is a cell-specific isoenzyme. **Sperm** hyaluronidase in isoantigenic in the rabbit, and the resulting isoantibodies inhibit the reproductive function (cumulus dispersion) of the **sperm** enzyme in vitro and apparently in vivo. In keeping with such isoantigenicity sera from some infertile women inhibit human **sperm** hyaluronidase. This suggests a possible relation to infertility and implies that isoimmunization of the female with species-specific **sperm** hyaluronidase may be an approach to immunological control of fertility.